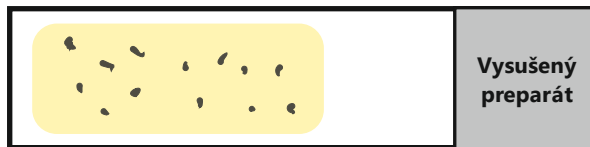
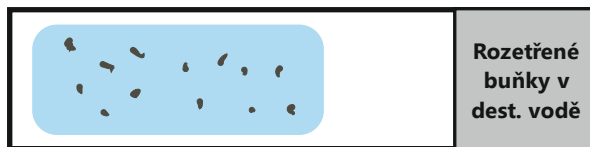
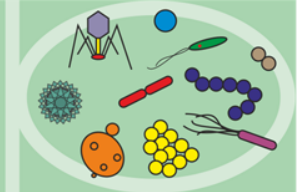


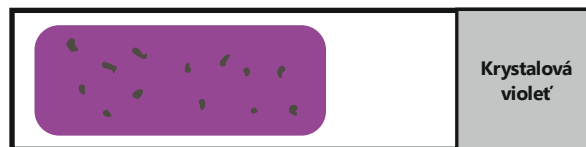
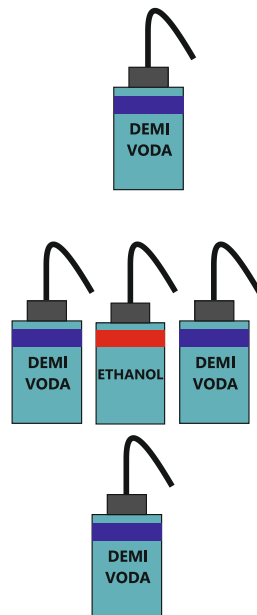
Zápočtový preparát

Barvení dle Grama



fixace

(3x protažení plamenem)



60 s



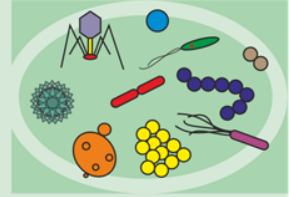
30 s



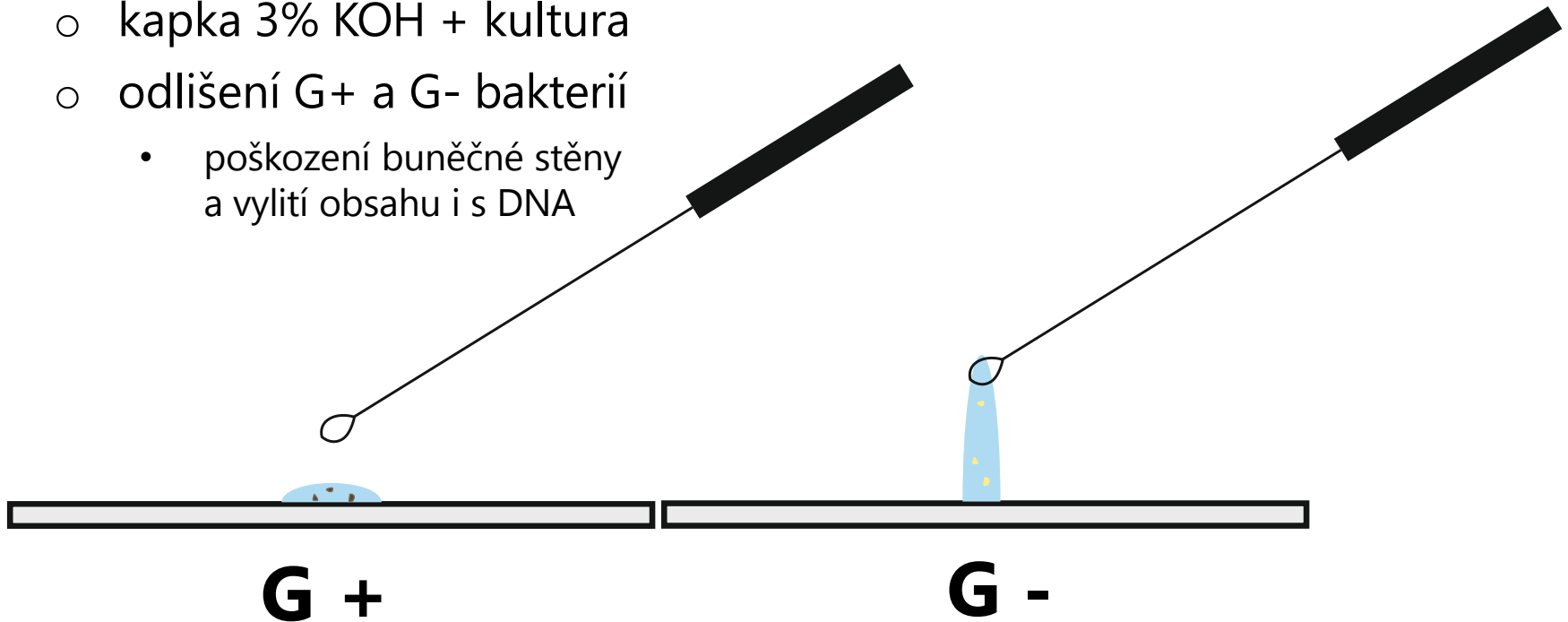
60 s



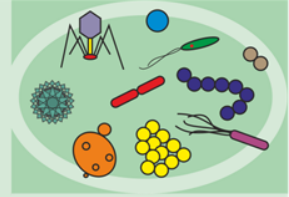
KOH test



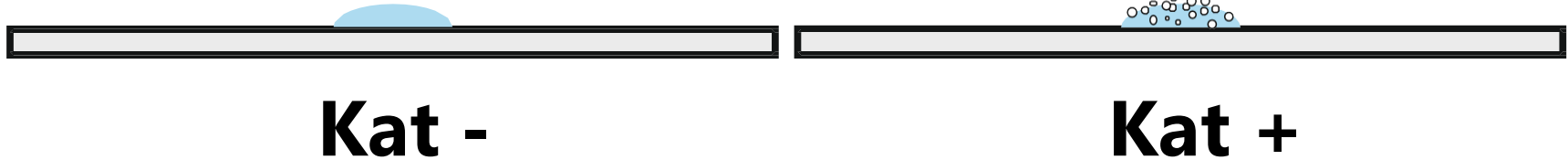
- kapka 3% KOH + kultura
- odlišení G+ a G- bakterií
 - poškození buněčné stěny a vylití obsahu i s DNA

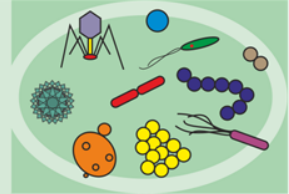


Katalázový test



- schopnost redukce peroxidu vodíku
- $2\text{H}_2\text{O}_2 \rightarrow$ enzym kataláza $\rightarrow 2\text{H}_2\text{O} + \text{O}_2$
- Pozitivní reakce
 - Tvorba bublinek





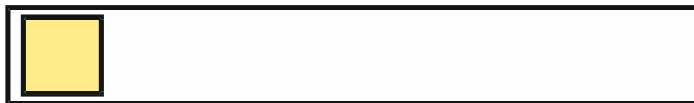
Oxidázový test (papírkový)

- detekce enzymu cytochrom c oxidázy
- papírek obsahuje chromogenní oxidačně-redukční činidlo

OXI ++
(do 30 s)

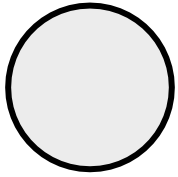
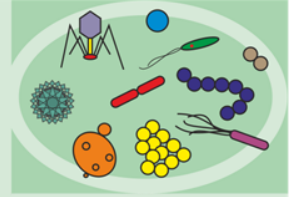


OXI +
(do 2 min)



OXI -
(bez změny nebo po 2 min)

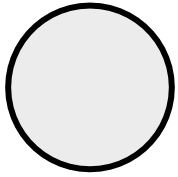
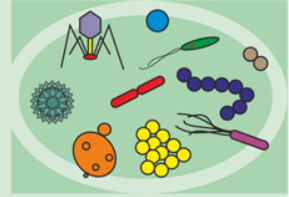
Escherichia coli (G-)



Kataláza +
OXITEST -

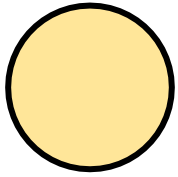
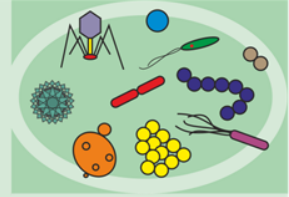


Pseudomonas putida (G-)



Kataláza +
OXITEST +

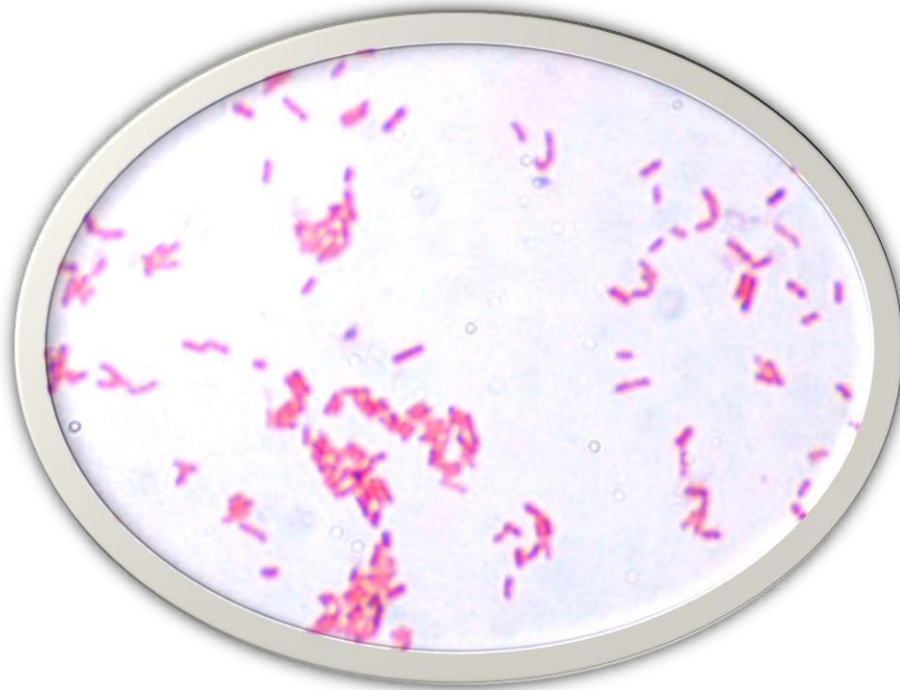
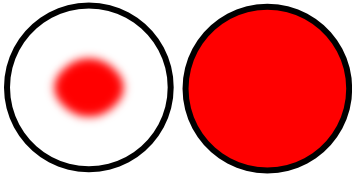
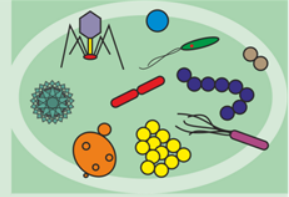
Pseudomonas fluorescens (G-)



Kataláza +

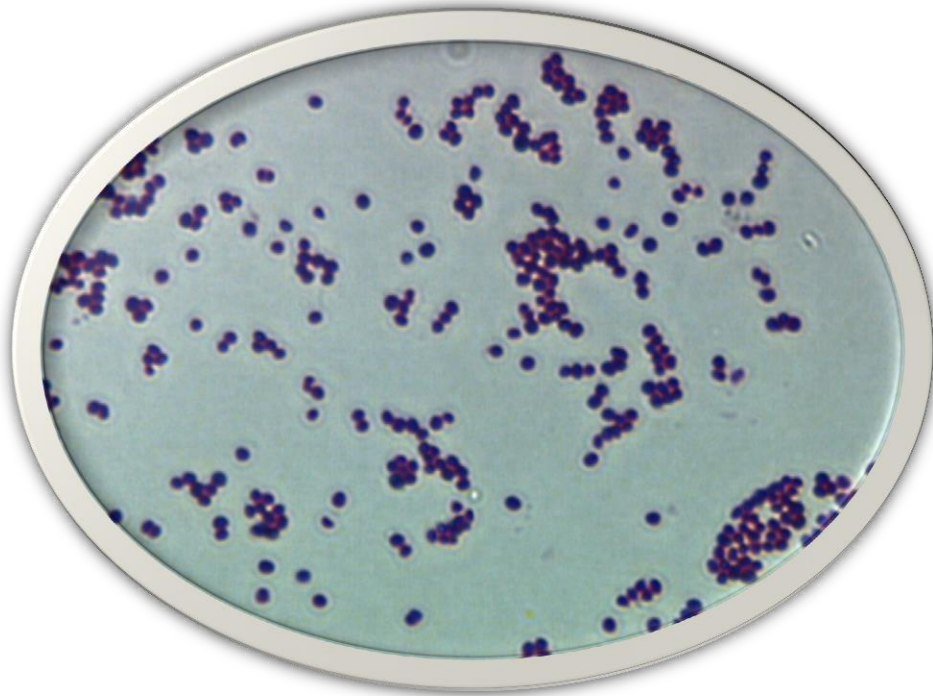
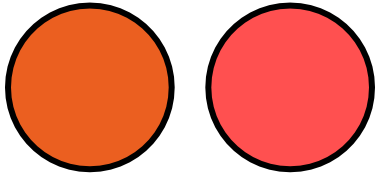
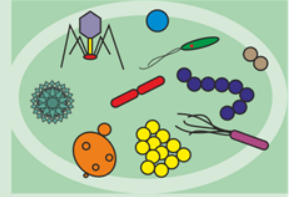
OXITEST +

Serratia marcescens (G-)



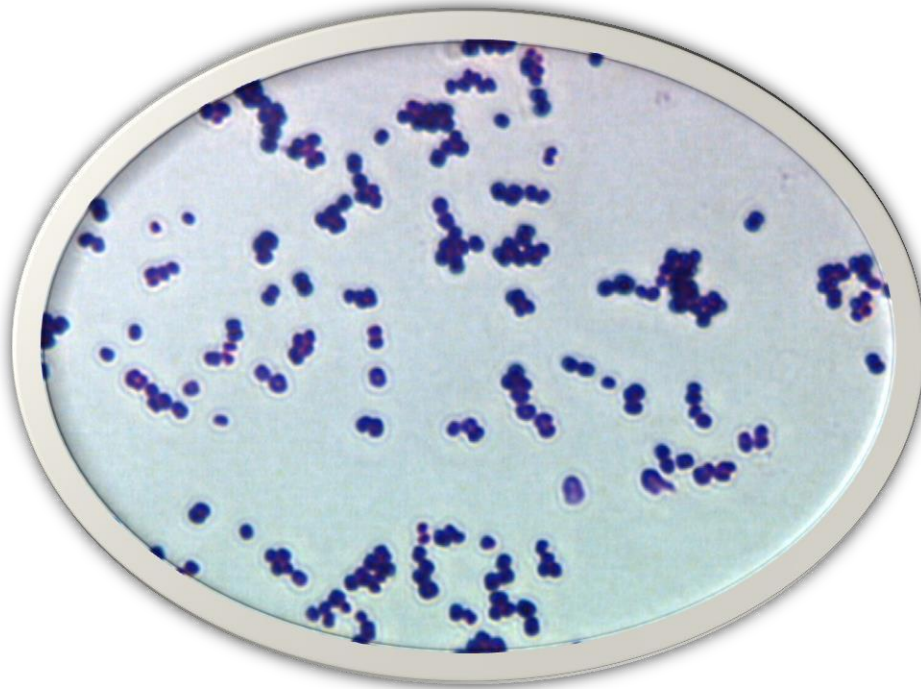
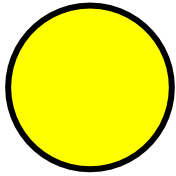
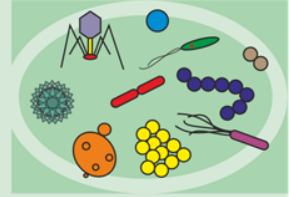
Kataláza +
OXITEST -

Kocuria rosea (G+)



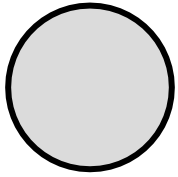
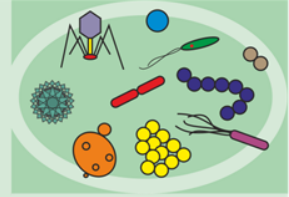
Kataláza +
OXITEST -

Micrococcus luteus (G+)



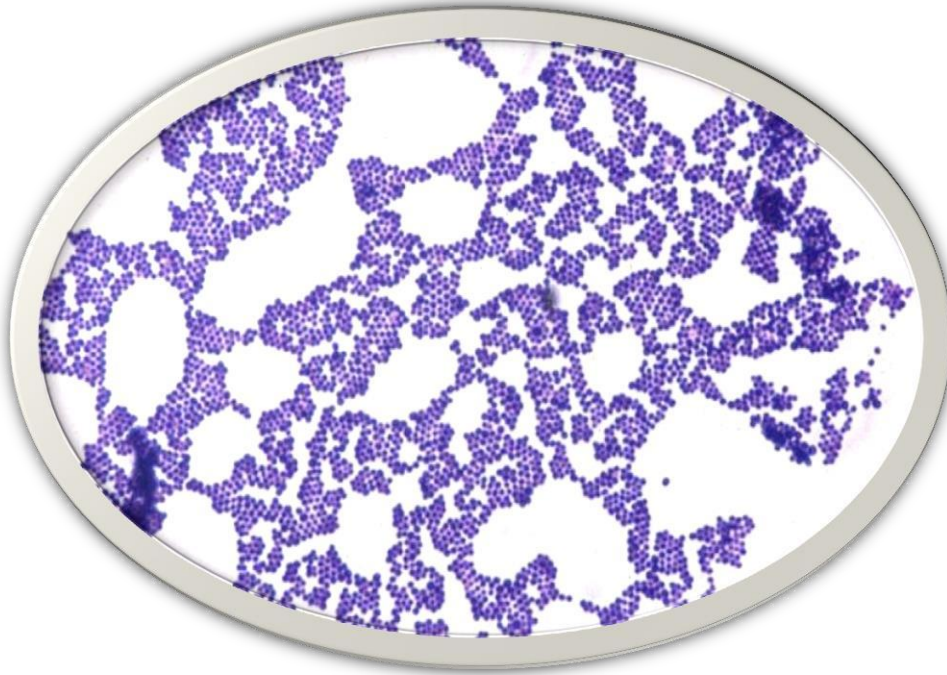
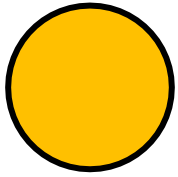
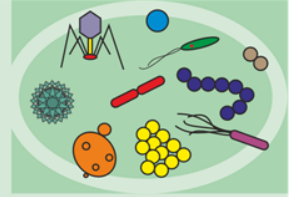
Kataláza +
OXITEST +

Bacillus cereus (G+)



Kataláza +
OXITEST +

Staphylococcus aureus (G+)



Kataláza +
OXITEST -

Saccharomyces cerevisiae (eukaryot)

